

Abstract

A device for conveying enhanced, visually perceptible cues to a color-blind observer includes a first safety color that is highly visible to an observer having ordinary color vision, and a second color more perceptible by blue-sensitive photoreceptors of a retina of the observer than by other photoreceptors of the retina. As blue color-blindness is rare, the device uses a hue of blue to augment the visibility of safety-related devices such as road signs, hunting vests and other safety garments, vehicle indicator lights, etc., for an overwhelming majority of color-blind individuals who are red-green color-blind. The device employs the use of a hue of blue in a setting that is otherwise predominantly colored by a commonly-use safety hue, such as orange, red, or green.